



TOPCon

DHN-72X16/FS

585W

Fire safety class:

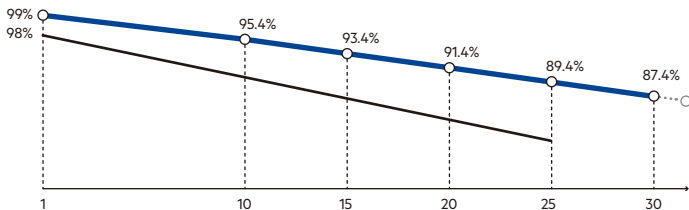
Class C according to ANSI/UL 1703-2018(as per ANSI/UL 790-2018)

Full Screen

No Dust and Dirt on the Surface Increases Power Generation

Quality Guarantee

25-year Material & technology warranty
30-year Linear power output warranty



▲ DAH Solar linear power output guarantee
▾ Standard linear power output guarantee

Comprehensive Products & System Certificates



IEC 61215 / IEC 61730 / CE / FIDE / INMETRO
ISO 45001: 2018/International standards for occupational health & safety
ISO 14001: 2015/Standards for environmental management system
ISO 9001: 2015/Quality management system

* Subject to the terms and conditions contained in the applicable Warranty Statement.
Also this 25-year limited product warranty is available only for products installed and operating on residential rooftops in Australia.



Full-Screen Technology Increases Power Generation by 6-15%
No water and dust, which reduces the power loss and maintenance cost



Higher Power Generation Efficiency
N-type TOPCon module could increase power generation by 3%+ per watt compared with PERC module



Lower Degradation Rate
First-year ≤1%, 2-30 year ≤0.4%



Lower Temp. Coefficient
More power generation under high-temperature



Better Dim Light Performance
Excellent performance under dim light

DHN-72X16/FS

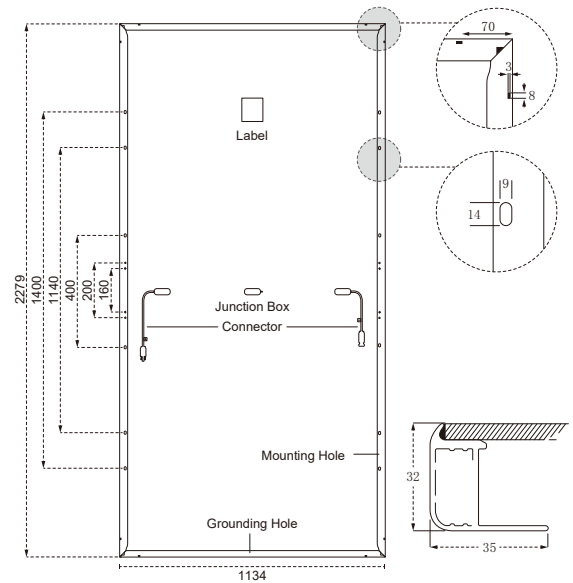
585W



Mechanical Specification

Cable	4.0mm ² , 350/250mm in length,
(Including connector)	length can be customized
No.of Cells	144 (6×24)
Glass	3.2mm High Transmission, Antireflection Coating
Junction box	IP68, 3 Bypass Diodes
Connector	PV5e, Changshu Friends Connector Technology Co.,Ltd Customized Connectors
Weight	29kg
Cells Type	N-type 182×91mm
Dimension (L×W×T)	2279×1134×32mm
Packing	34pcs/Pallet, 680pcs/40HQ

Design



Operating Parameters

Maximum system voltage	1500V DC
Operating Temperature	-40 ~ +85°C
Maximum series fuse rating	25A
Snow load, frontside/Wind load, backside	5400Pa/2400Pa
Nominal operating cell temperature	45°C±2°C
Application level	Class A

STC — Electrical Characteristics

Module Type	DHN-72X16/FS
Maximum Power (P _{max} /W)	585
Open-circuit Voltage (V _{oc} /V)	51.6
Maximum Power Voltage (V _{mp} /V)	43.8
Short-circuit Current (I _{sc} /A)	14.20
Maximum Power Current (I _{mp} /A)	13.36
Module Efficiency (%)	22.64

Power Tolerance: 0~+5W, Temperature Coefficient of I_{sc}: 0.046%/°C, Temperature Coefficient of V_{oc}: -0.25%/°C, Temperature Coefficient of P_{max}: -0.30%/°C

Standard Test Environment : Irradiance 1000W/m², Cell temperature 25°C, Spectrum AM1.5 Tolerances: P_{max}=±3%, V_{oc}=±3%, I_{sc}±3%

NOCT — Electrical Characteristics

Maximum Power (P _{max} /W)	440
Open-circuit Voltage (V _{oc} /V)	49.0
Maximum Power Voltage (V _{mp} /V)	41.6
Short-circuit Current (I _{sc} /A)	11.46
Maximum Power Current (I _{mp} /A)	10.57

Standard Test Environment : Irradiance 800W/m², Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

I-V Curve

